



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/938,035A
Source: OIPB
Date Processed by STIC: 5-23-02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Does Not Comply

Corrected Diskette Needed

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/938, 035A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | |
|----|--|---|
| 1 | _____ Wrapped Nucleics
_____ Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping." |
| 2 | _____ Invalid Line Length | The rules require that a line not exceed 72 characters in length. This includes white spaces. |
| 3 | _____ Misaligned Amino
_____ Numbering | The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead. |
| 4 | _____ Non-ASCII | The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text . |
| 5 | _____ Variable Length | Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. |
| 6 | _____ PatentIn 2.0
_____ "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences. |
| 7 | _____ Skipped Sequences
(OLD RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences. |
| 8 | _____ Skipped Sequences
(NEW RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000 |
| 9 | _____ Use of n's or Xaa's
(NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents. |
| 10 | _____ Invalid <213>
_____ Response | Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence |
| 11 | _____ Use of <220> | Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) |
| 12 | _____ PatentIn 2.0
_____ "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. |

Does Not Comply
Corrected Diskette Needed



OICE

RAW SEQUENCE LISTING

DATE: 05/23/2002

PATENT APPLICATION: US/09/938,035A

TIME: 18:06:05

Input Set : A:\seq list-20731,RocheVit.txt

Output Set: N:\CRF3\05232002\I938035A.raw

3 <110> APPLICANT: Roche Vitamins AG
5 <120> TITLE OF INVENTION: Microbial process for producing L-ascorbic acid and
6 D-erythorbic acid
8 <130> FILE REFERENCE: Alicyclobacillus NA20, 21, FJ21 16S nuc
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/938,035A
C--> 11 <141> CURRENT FILING DATE: 2001-08-23
13 <150> PRIOR APPLICATION NUMBER: EP Application No. 00118059.5
14 <151> PRIOR FILING DATE: 2000-08-23
16 <160> NUMBER OF SEQ ID NOS: 3
18 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

98 <210> SEQ ID NO: 3
99 <211> LENGTH: 1495
100 <212> TYPE: DNA
101 <213> ORGANISM: Alicyclobacillus sp.
103 <220> FEATURE:
104 <221> NAME/KEY: rRNA
105 <222> LOCATION: (1)..(1495)
106 <223> OTHER INFORMATION: FJ-21 Partial 16SrRNA gene sequence
108 <400> SEQUENCE: 3
109 aggacgaacg ctggcgccgt gcctaataca tgcaagtcca ggggacctct tctgaggtca 60
110 gcggcggaacg ggtgaggaac acgtgggtaa tctgccttcc agaccggaat aacgcccgga 120
111 aacggcgccgt aatgccggat acgcccgcga ggagggatct tcttgcgggg aaaggcccga 180
W--> 112 ttggggccgct gagagaggag cccgcgccgc attagcctgt tggcggggta acggcccacc 240
113 aaggcgacga tgcgtagccg acctgagagg gtgaccggcc aactggggac tgagacacgg 300
114 ccagactcc tacgggaggc agcagtaggg aatcttccgc aatggggcga agcctgacgg 360
115 agcaacgccg cgtgagcgaa gaaggccttc gggttgtaaa gctctgttgc tcggggagag 420
116 cggcatgggg agtggaagc cccatgcgag acggtagcga gtgaggaagc cccggctaac 480
117 tacgtgccag cagccgcggg aaaacgtagg gggcgagcgt tgtccggaat cactggggct 540
118 aaaggggtgc tagggcggtc agcaagtctg gaggtaaaat ccatggctca accatgggat 600
119 ggctctggaa actgcttgac ttgagtgtcg gagaggcaag ggaattcca cgtgtagcgg 660
120 tgaaatgcgt agagatgtgg aggaatacca gggcggaagg cgcttgcgt gacagtgaat 720
121 gacgtgagg cagcaaaagc tggggagcaa acaggattag atacctggg agtccacgcc 780
122 gtaaacgatg agtgctaggt gttggggggg cacaccccag tgccgaagga aaccaataa 840
123 gcaactccgc tggggagtag ggtcgcaaga ctgaaactca aaggaattga cgggggcccg 900
124 cacaagcagt ggagcatgtg gtttaattcg aagcaacgcg aagaacctta ccagggttg 960
125 acatccctct gacgggtgca gagatgcacc ttcccttcgg ggcagaggag acagggtgtg 1020
126 catggttgtc gtcagctcgt gtcctgagat gttgggttca gtcccgcaac gacgcgaacc 1080
W--> 127 cttgacctgt gttaccagcg cgttggggc gggactcaca ggtgactgcc ggcgtaagtc 1140
128 ggaggaagcg ggggatgacg tcaaatcatc atgcccctga tgcctgggc tacacacgtg 1200

see item # 9
on ERROR SUMMARY
SHEET

RAW SEQUENCE LISTING

DATE: 05/23/2002

PATENT APPLICATION: US/09/938,035A

TIME: 18:06:05

Input Set : A:\seq list-20731,RocheVit.txt

Output Set: N:\CRF3\05232002\I938035A.raw

129 ctacaatggg cggtagaaaag ggagggcgaag ccgcgaggcg gagcgaaacc caaaaagccg 1260
130 ctcgtagttc ggattgcagg ctgcaactcg cctgcatgaa gccggaattg ctagtaatcg 1320
131 cggatcagca tgccgcggtg aatacgttcc cgggccttgt acacaccgcc cgtcacacca 1380
132 cgagagtcgg caacaccgga agtcggtgag gtaacccgga aaggggagcc agccgccgaa 1440
133 ggtgggggtcg atgattggg tgaagtcgta acaaggtagc cgtaccggaa ggtgc 1495

E--> 136 1

E--> 139 1

Remove extra material at end
of file

VERIFICATION SUMMARY

DATE: 05/23/2002

PATENT APPLICATION: US/09/938,035A

TIME: 18:06:06

Input Set : A:\seq list-20731,RocheVit.txt

Output Set: N:\CRF3\05232002\I938035A.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:34 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
L:47 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:960
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1380
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180
L:112 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180
L:127 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:1080
L:136 M:254 E No. of Bases conflict, this line has no nucleotides.
M:254 Repeated in SeqNo=3